



Meeting Environmental Goals through Composting

Biocycle
2009

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What are Our Goals?



Environmental Goals Brainstorm



- ❖ Erosion Control
- ❖ Landfill Diversion
- ❖ Reducing Carbon Footprint
- ❖ Water Conservation & Quality
- ❖ Reducing Fertilizers, Pesticides, Other Chemicals
 - Protecting Water Sheds
- ❖ Community Sustainability
- ❖ Urban Farming & Food Security – Organic

Converging Opportunities

- ❖ Green Consciousness
- ❖ Zero Waste Initiatives
- ❖ Climate Protection
- ❖ Water Conservation
- ❖ Sustainable Landscaping
- ❖ Petrochemical Prices
- ❖ Federal Stimulus



Composting as a Strategy

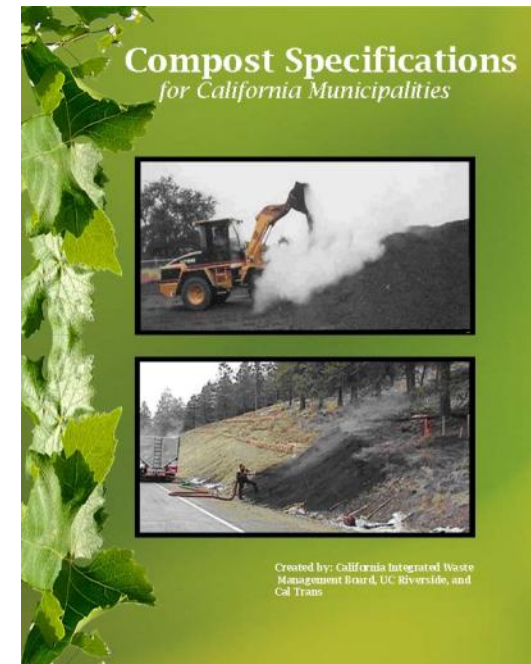


- ❖ Closing the Loop
- ❖ Maximizing Diversion from Landfills
- ❖ Climate Change - Life Cycle Analysis
- ❖ Water Holding – Runoff Reduction
- ❖ Erosion Control
- ❖ Integrated Pest Management
- ❖ Organic Food Production



Tools Available

- ❖ California Integrated Waste Management Board Organics Roadmap (Board)
- ❖ STA Standards
- ❖ Ordinances
- ❖ Specifications
- ❖ Contracts
- ❖ Permits
- ❖ Purchasing Policies



Compost Specifications for California Municipalities, created by the Board, UC Riverside, and Caltrans



Role for the Public Sector?

- ❖ Policies
- ❖ Contract Provisions
- ❖ Specifications
- ❖ Purchasing
- ❖ Research/Marketing
- ❖ Collaboration
- ❖ Legislative Support







San Jose Green Vision Goals

❖ Zero Waste

- 75% Waste Diversion by 2013
- Zero Waste by 2022



❖ Renewable Energy

- 100% power from renewable energy by 2022
- Treatment Plant energy self-sufficient - 2013



Organics Capture is Key to Meeting Zero Waste



and Energy Conversion Goals



San Jose as a Case Studay

- ❖ Contracts
- ❖ Specifications
- ❖ EP 3
- ❖ IPM Policy
- ❖ Stormwater Permit
- ❖ Bay Friendly Gardening
- ❖ Research/Mkt Development
- ❖ Compost Awareness Week

Tools Available at [www.urbancompost.com](http://www.urbancompost.org)



What Tools Do We Need?

Case Studies

Research

Infrastructure Incentives

Legislation



What Tools Do We need?

Brainstorm



- ❖ Use State Mandate – AB 939 effectively
- ❖ Bulk Purchasing at Retail Level
- ❖ Compile List of Composting Regulations in Jurisdictions
- ❖ Cost Benefit Analysis of Composting
- ❖ Encourage Local/Small Business
- ❖ CDFA Exemption – No Tonnage Fees or Nutrient Fertilizer Requirements
- ❖ Research on Nitrogen Mineralization
- ❖ Resolution of Gap Between Fully Permitted Compost Facilities & Chip and Grind Facilities
 - Enforcement of Caltrans Specifications
- ❖ Information on Smaller/Regional Compost Facilities – Case Studies

What Tools Do We Need?

Brainstorm (continued)

- ❖ Public Education Campaign on Compost Benefits
- ❖ Collaboration of Government & Local Landscapers – Education
 - Landscape Industry Soil/Compost Manual – “Spec Book”
- ❖ Mandates for Certification/Specification
- ❖ Educate Financial Institutions on Financial Model for Composters
- ❖ Software Service Tool for Public/Private Sector
 - Association of Compost Producers
- ❖ Mandatory for Municipalities to Use Compost
 - Education by Caltrans of their compost use
- ❖ Better Regulatory Environment for Siting Facilities
- ❖ EcoRegion Specific Technology Transfer
 - Environmental Conditions, Markets, etc.